SCENE 1

*An underground lab. Three scientists are working on a secret project. Their computers and phones are all lit up, the lights are shining, and all the machines are working at full speed.*

Dr. Scott Noodle: It’s getting late. We should start wrapping up for the night.

Dr. Jasmine Crane: Yes, let’s start putting these lasers away.

*Dr. Jordan Lee picks up one of the lasers, while Jasmine is moving the other one.*

Scott: Careful! Remember, we can’t cross the streams.

*Just as he says that, the machine slips slightly and there is a flash of light and a bang.*

Scott: Is everyone OK?

Jasmine: Yes, we were hurt, but it looks like the locks on the door are shorted out. How will we get out?

Jordan: Check the computer – can we email someone for help?

Scott: No, remember because it’s the end of the day, the Internet connection was shut down.

Jasmine: Oh no! The air purifier also seems to be losing power! We need to conserve whatever energy we can to make sure it keeps working while we try to get help!

Fill out the table below

|  |  |
| --- | --- |
| Data: What do you already know? | Questions: What would you ask the characters if you could? |
|  |  |
| Hypotheses: What do you think happened? | What do we still need to learn? |
|  |  |

SCENE 2

*The lab is much quieter and darker. All of the machines and the computer have been turned off. Only the little lights on the power strip and the monitor are lit up.*

Jasmine: Well, it looks like we turned everything off. Let’s see… The computer is powered down.

Scott: All of the lab equipment is off.

Jordan: And we turned off all the overhead lights, too. We only have to wait about an hour until the janitors show up to clean up for the night.

Scott: OK, I’ll go check the air purifier.

*He heads over to a dial on the wall and shines a flashlight on it. He looks at it for a while and frowns.*

Scott: Hmm, the power still seems to be draining too fast.

*Jasmine and Jordan walk over*.

Jordan: It looks like we only have 45 minutes of clean air left.

Jasmine: I wonder how we can slow down the power drain? Did we turn everything off? Let’s check.

Fill out the table below

|  |  |
| --- | --- |
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|  |  |
| Hypotheses: What do you think happened? | What do we still need to learn? |
|  |  |

SCENE 3

*An hour has passed and the door to the underground lab is open.*

Jules: What are you guys still doing here?

Jordan: We had a small accident and the door shorted out. Thanks for getting us out!

Scott: Yeah, I’m glad we figured out what was draining the power, or the air might have run out.

Jasmine: I didn’t know that electronics that were off but still plugged into the wall were still drawing power. Good thing we tried unplugging them.

Scott: I wonder if I can save some money at home by unplugging my laptop and phone charger every night. I’m going to check that out!